

Jefferson County Shoreline Landowner Workshops – Living with the Coast

Saturday, April 14, 2001

Outreach:

Flyer mailed to all Jefferson County shoreline landowners, one ad in local newspaper, article in newspaper, leaflets at county permit counter, email to local WaterWatchers

Format: daytime, 3 hours of presentations and 3 hour field trip to Oak Bay (partly captured on Nearshore Processes video)

Attendees: 65

Cost: \$10 – pre-registration required and filled quickly

Percent of shoreline landowners among attendees: approximately 80-90%

Speakers: Jim Johannessen, Coastal Geologic Services - Shoreline geologic processes and alternative protection measures and Anne Shaffer, WDFW on nearshore marine biology.

Evaluations returned: 24

Wednesday, April 17, 2001

Format: 3 hours of presentations, evening

Attendees – 65

Speakers, Cost, etc: Same as above

Evaluations returned: 32

Evaluation Results (56 total evaluations):

Number of responses is followed by percent of total

1. How did you hear about the workshop?

Flyer in the mail	39	60%
Article in the newspaper	9	16%
Ad in the newspaper	9	16%
Received an email	0	
Someone told me	5	9%
Other	2 permit counter, 5 other 5%	

2. I was interested in attending because

- a. I own shoreline property 51 81%
- b. I live on but don't own shoreline property 0
- c. I am a professional who deals with shoreline issues 5 9%
- d. I am interested in environmental and natural resource issues 16 29%

3. The audio and visual presentations were

- a. Easy to see and understand 50
- b. Not very easy to see and understand 6
- c. Variable 2

4. The information presented in the workshop was

- a. New to me 21 38%
- b. Familiar to me but presented in more depth 33 59%
- c. Information I already know 2 4%

5. Name three new things you learned today – see list at end of summary

6. After attending today's workshop I would like to

- a. Share what I learned with friends and neighbors 24 43%
- b. Change an existing situation that may be damaging to the environment or plan an improvement on my property to better protect the environment and my property. If so, please describe 17 30%
- c. Seek more information on a topic that applies to my property 23 41%
- d. None of the above 1
- e. Other – share with clients/customers 1

7. The handouts provided today

- a. Looked interesting and helpful; I took some home 50/50 100%
- b. Looked interesting but I don't need any more paper
- c. Didn't look very interesting

8. Overall, I would rate today's workshop as		
a. Not very interesting or informative	0	
b. Average	1	2%
c. Good	22	46%
d. Excellent	26	52%

Answers to 6 c:

Check out stormwater (upland) drainage and improve

Evaluate upland stormwater effect

Beach erosion

Improve shoreline monitoring and practices in my community

Seaweed, starfish

I have bulkheads on both sides of my property on Hood Canal

Be more helpful to bluff property owners

Would love to see the Oak Bay county park estuary repaired

Retain Johannessen for a beach plan

Identify how these issues apply to my own property

Neighbor has a perimeter drain problem

Planning to plant serviceberry and snowberry on my slope toward the beach. Have been growing them in pots.

Answers to 5:

Ulva smothers

Sand lance and spawn level on beach

Better geology drifts

Bluffs what made of- how to maintain

Beach erosion and bulkhead effect

Plant and marine life and relationship to kelp beds

Kelp and shellfish

Revetments don't always work

Look for clams where there isn't much ulvoids

Revetments remove the beach

Importance of feeder bluffs

Soft bulkheads

Importance of seaweed

Two different types of oysters

Soft shore management programs

Stormwater impact on habitat and nutrients

Different oyster species

Soft shore management

Effects on habitat from stormwater

Soft shore protection

Damage that bulkheads create

Shoreline drift

Groin effects on shorelines

Eelgrass
Brant geese eat eelgrass
Soft solutions instead of bulkheads
Kelp and eelgrass habitat workings
Oak Bay dredging
Drift
Rules
Riprap settles and has maintenance problems
Epibenthic presence is not supported by cobble beaches
Anything that effects water flow needs approval
Alternative to bulkheads
Importance of eelgrass and other native grasses
Importance of net shore drift
Drainage requirements
Relationship of large trees on bluff
Surf smelt eggs on beach
Net drift info
Use of gravel for barriers
Problems of bulkheads
Importance of shoreline to habitat
Another method instead of bulkhead to protect shoreline
Different kinds of shoreline erosion
How bulkheads affect the beach
More about bulkheading
More about plantings
That regulations are not capricious and arbitrary
Alleviating bulkheading
Consequences of bulkheading
Association between bluffs and beaches
Effects of bulkheads
About soft shore protection
Gravel alternatives to bulkhead
Surf smelt concerns
Eelgrass light dependency
Why bulkheads are bad
Spawning foraging fish
Full impacts of bulkheads
More about drift cells
There's an understory kelp
Rock and concrete bulkheads are not a good alternative
I didn't realize that some fish species spawn on beaches
What makes a natural beach
Alternatives to bulkheads
Extreme impact of bulkheads on beaches
Importance of upper beach for spawning (sandy area)
Resource individuals

Reasons to not bulkhead
Importance of current sediment flow
New methods of shoreline maintenance
Salmon habitat and forage fish
Bulkheads are bad
Fixes in works for Oak Bay Park
Salmon habitat
Forage fish
Shoreline damage repair
How bulkheads disrupt the shoreline
How to tell when bluffs are wet
Bulkhead can erode
Don't cut trees off of land
Leaning trees from slides
Gravel size vs erosion
Kelp size distribution
Bluff deposition details
Why bulkheads are harmful
What we can do about it
How sand beaches move and change
Importance of shoreline stewardship
Impact of bulkheading
Positive aspects of native vegetation
About eelgrass
Drift cells
Gravel
Would like more in depth of all
Affect of bulkheads
Herring love eelgrass
New ways to save beaches
Specific erosion patterns
General issues relating to bluff/water runoff
Puget Sound has less erosion than East Coast
Boulder on beach and driftwood
The number of roots in trees
The plants will help
Healthy beach as larger material closest to shore
Possible to use geotextiles on slopes
Kelp beds as nurseries
Bulkheads cause scouring of beaches
Shoreline ecology, use of eelgrass
Gravel vs riprap
Cliff instability causes
Bulkhead and other alternatives
Spawning issue
Identify landslide areas

How blackberries should be removed
Snowberries are a good stabilizing ground cover
Sword fern helps
How sandbars are formed
The sex life of kelp
Why it's important to take care of eelgrass
How to handle erosion
Causes of erosion (i.e. water flow)
Protection of water habitat
Learned more about effects of erosion
Tightlines
How to kill a cedar tree
Erosion control
Importance of vegetation
Glacial till is pretty Stable
HTPE is the best pipe for drainage
There are two kinds of kelp, one above, one is below